

Electron emission of thin films...

27962
S/185/61/006/004/004/015
D274/D303

publications read as follows: L. Malter, Phys. Rev., 49, 478, 1936;
H. Jacobs, J. Freely, F. Branel, Phys. Rev., 88, 492, 1952; A. Skel-
lett, B. Firth, D. Mayer, Proc. I.R.E., no. 10, 1704, 1959.

ASSOCIATION: Instytut fizyky AN USSR, Kyyiv (Physics Institute
AS UkrSSR, Kiyev) *LH*

SUBMITTED: November 16, 1960

S/195/62/003/002/003/003
E039/E420

AUTHORS: Medvedev, V.K., Naumovets, A.G.
TITLE: Papers on adsorption at the Tenth All-Union Conference
on cathode electronics
PERIODICAL: Kinetika i kataliz, v.3, no.2, 1962, 299-300
TEXT: The conference was held at Tashkent, November 23 - 30, 1961.
The papers reviewed are as follows: V.A.Simonov (NIVI) -
interaction processes of charged and neutral particles with solid
surfaces and the problem of obtaining pure high temperature plasma.
V.N.Ageyev, V.I.Agishev, Yu.I.Belyakov, N.I.Ionov and
V.V.Ustinov of Fiziko-tehnicheskiy institut im. A.F.Ioffe
Physical Institute imeni A.F.Ioffe, AS USSR)
Dual gases with tungsten at

S/195/62/003/002/003/003
E039/E420

Papers on adsorption ...

the (113) section of single crystal tungsten. N.D.Morgulis and R.I.Marchenko of Kiyevskiy gosuniversitet (Kiyev State University) investigated the effect of partial adsorption and desorption of mixed residual gases in an ultrahigh vacuum on the surface of single crystals of Ge and Si. D.A.Gorodetskiy and A.M.Kornev (Kiyev State University) studied surfaces, covered with films of adsorbed gases, with the aid of slow electron diffraction. Yu.S.Vedula and V.M.Gavrilyuk (Physics Institute AS UkrSSR) considered the question of different adsorption properties of tungsten surfaces, cleaned by passing a current and by electron bombardment. Yu.G.Ptushinskiy and O.A.Panchenko (Physics Institute AS UkrSSR) examined electron interaction with

Papers on adsorption ...

S/195/62/003/002/003/003
E039/E420

A.F.Ioffe AS USSR) and A.A.Komarov (Physics Institute AS USSR).
A.P.Komar and V.N.Shrednik (Physicotechnical Institute imeni
A.F.Ioffe AS USSR) and A.G.Naumovets (Physics Institute AS UkrSSR)
presented papers on the use of autoionic emission.
A.G.Naumovets examined autodesorption of adsorbed atoms of oxygen
on tungsten surfaces. Finally, O.V.Mitrofanov (Institute of
Chemical Physics AS USSR) investigated the activity of sections of
single crystal tungsten with relation to oxygen by an etching
method.

SUBMITTED: December 26, 1961

40880

117400
54400

26.1840

5/181/62/004/009/009/045
B108/B186

AUTHORS: Gavrilyuk, I. M., and Medvedev, V. K.

TITLE: Adsorption of barium atoms and carbon monoxide molecules on
the (113) face of tungsten single crystals

PERIODICAL: Fizika tverdogo tela, v. 4, no. 9, 1962, 2372 - 2381

NOTE: Adsorption of barium was studied by the method of the contact potential, using a device similar to that described in Yu. S. Vedula, V. M. Gavrilyuk, PFZh, 3, 632, 1953. The work function φ as a function of the concentration of adsorbed atoms is similar to the result in the aforementioned

Adsorption of barium ...

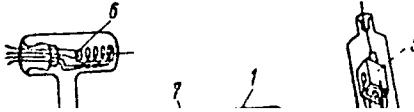
S/181/62/004/009/009/045
B108/B186

1959; Kinetika i kataliz - kinetics and catalysis - 2, no. 4, 1961; DAN SSSR, 141, 1124, 1961) gives a satisfactory qualitative and quantitative description of the functions $\varphi(n)$ and $q(n)$. There are 10 figures.

ASSOCIATION: Institut fiziki AN USSR Kiyev (Physics Institute AS Ukr.SSR, Kiyev)

SUBMITTED: April 2, 1962

Fig. 3.
Legend. (1) tungsten single filament



VEDULA, Yu.S.; GAVRILYUK, V.M.; MEDVYDEV, V.K.

Effect of electron bombardment on the adsorption properties of a tungsten surface. Fiz. tver. tela 4 no.9:2550-2553 S '62.
(MIRA 15:9)

1. Institut fiziki AN UkrSSR, Kiyev.
(Electrons) (Tungsten)

L 41592-66 EWT(m)/T/E/P(t)/ETI IJP(c) JD/JG

ACC NR: AP6018544

SOURCE CODE: UR/0181/66/008/006/1811/1818

AUTHOR: Gavrilyuk, V. M.; Medvedev, V. K.

ORG: Institute of Physics, AN UkrSSR, Kiev (Institut fiziki AN UkrSSR)

TITLE: Investigation of the adsorption of lithium on the surface of single-crystal tungsten in a field-emission projector

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1811-1818

TOPIC TAGS: lithium, work function, field emission, adsorption, surface property, tungsten, temperature dependence

ABSTRACT: The purpose of the investigation was to obtain data on the work function and the heat of absorption as functions of the concentration of the adsorbed atoms at temperatures so low that there is no surface migration of the atoms even over distances of the order of several interatomic distances. To this end, the authors investigated the adsorption of Li on the (110), (111), (112), and in part also (100) faces of tungsten in a field-emission projector. The work function

L 41592-66

* ACC NR: AP6018544

*
the work function curve are observed when the crystal is heated between 112 and 167K. The results can be attributed to the presence of two processes - chemosorption at $n < 4 \times 10^{14} \text{ cm}^{-2}$, and formation of a metallic film in the case of larger n and superimposed on the first process. The irreversible temperature changes are apparently connected with changes in the structure of this film. Orig. art. has: 6 figures.

SUB CODE: 20/ SUBM DATE: 09Nov65/ ORIG REF: 019/ OTH REF: 013

L 38875-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD/JG
ACC NR: AF6018565

SOURCE CODE: UR/0181/66/008/006/1933/1935

69

AUTHOR: Medvedev, V. K.

68

ORG: Institute of Physics, AN UkrSSR, Kiev (Institut fiziki AN UkrSSR)

B

TITLE: Migration of lithium over the surface of an adsorbed lithium film

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1933-1935

TOPIC TAGS: physical diffusion, lithium, metal film, field emission, surface property, adsorption

ABSTRACT: Lithium was chosen as being the most suitable substance for the study of surface migration of atoms over their own lattice in a field-emission projector. A Muller projector with a lithium source was used, in which the pressure on the residual gases did not exceed 10^{-10} mm Hg. A layer of Li was sputtered on a tungsten needle. A positive constant potential was applied to the projector grid to permit observation of the Li film over the needle in the field-emission mode. Positive

L 38875-66

ACC NR: AF6018565

, decreased when the surface of the needle was contaminated by residual gas. An expression for the displacement time of the adsorbed atoms is obtained as a function of the surface diffusion coefficient and the heat of migration. It is indicated that the migration of adsorbed particles on a needle with subsequent desorption in an electric field can be used to produce a pointlike current source. The author thanks V. M. Gavril'yuk for interest in the work. Orig. art. has: 2 figures and 1 formulas.

SUB CODE: 20/ SUBM DATE: 16Dec65/ ORIG REF: 002/ OTH REF: 005

L 06436-67 EWT(m)/EWP(t)/ETI IJP(c) JD/JG
ACC NR: AP6026713 SOURCE CODE: UR/0181/66/008/008/2482/2484
43
B
AUTHOR: Gavrilyuk, V. M.; Medvedev, V. K.; Smereka, T. P.
ORG: Physics Institute, AN UkrSSR, Kiev (Institut fiziki AN UkrSSR)
TITLE: Adsorption of nitrogen on the (113) face of a tungsten single crystal
SOURCE: Fizika tverdogo tela, v. 8, no. 8, 1966, 2482-2484
TOPIC TAGS: tungsten, adsorption, nitrogen
ABSTRACT: The adsorption of nitrogen on the (113) face of a tungsten single crystal was studied under controlled purity conditions, and the functions $\chi(n, T)$, $\Delta\phi(n)$ and heats of adsorption $q(n)$, required for developing a modern theory of gas condensation and chemisorption, were determined at 300-1500°K (χ being the condensation factor, n and the change in the electronic work function). It

Medvedev, V.M.
USSR/Medicine - Influenza

FD-1631

Card 1/1 : Pub. 148-11/28

Author : Medvedev, V. M.

Title : The effect of the Shklyaver strain of type A influenza virus on the mechanism of transmission of nerve impulses in the superior cervical ganglion. Report I.

Periodical : Zhur. mikro. epid. i immun. 7, 45-49, Jul 1954

Abstract : The results of an investigation of the action of the Shklyaver strain of type A influenza virus on the sympathetic nervous system, and, specifically, the superior cervical ganglion, which the Soviet physiologist Bykov considers a part of the brain, are given. The methods used are described in detail. The text is illustrated by five kymo-

MEDVEDEV, V.M.

The new 5A370 horizontal gear-milling machine. Stan.i instr. 32
no.10:12-14 0 '61. (MIRA 14:9)
(Gear-cutting machines)

SEREDENKO, M.M., doktor ekon. nauk; ALEKSANDROVA, V.P.; KUGUSHEV, M.F.
[Kuhushev, M.F.]; SHEVCHENKO, Ya.O.; GLAMAZDA, A.D. [Hlamazda,
A.D.]; ZABORSKAYA, Z.M. [Zabors'ka, Z.M.]; KHOTIMCHENKO, M.M.
[Khotymchenko, M.M.]; YATSKOV, V.S.; MEDVEDEV, V.M. [Medvediev,
V.M.]; CHIRKOV, P.V. [Chyrkov, P.V.]; KHARCHENKO, P.F.;
SOTCHENKO, Z.Ya.; PROFATILOVA, L.M. [Profatylova, L.M.];
MAULIN, M.O.; GORELIK, L.Ya. [Horelik, L.I.E.]; RIZHKOV, I.I.
[Ryzhkov, I.I.]; ZHEREBKIY, G.P. [Zhrebkin, H.P.]; KHRAMOV,
O.O.; LANDYSH, B.O., red.; ROZENTSVEYG, Ye.N. [Rozentsveih,
IE.N.], tekhn. red.

[Economic efficiency of capital investments and the introduc-
tion of new machinery in industry] Ekonomichna efektyvnist' kapital'-
nykh vkladen' i vprovadzhenniya novoi tekhniki u promyslovosti.
Kyiv, Vyd-vo Akad. nauk URSR, 1962. 260 p. (MIRA 16:2)

MEDVEDEV, V. M.

29001 Agressivnoe vozdeystvie vod na portlandzementnyy befon. (Po povodu
odn em stat'i E. D. Rozdestvenskogo v zhurn. "Gidrotekhn. stroit-vo",
(1949, №. 4) Gidrotekhn. stroit-vo, 1949, №. 9, S. 32

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

MEDVEDEV, V.M.

Concrete Construction

Mechanization of concrete work at the Volga-Don construction project. Mekh. stroi
9, no. 7, 1952.

1. MEDVEDEV, V.M.
2. USSR (600)
4. Concrete Construction - Volga-Don Canal
7. Concrete work at the Volga-Don construction project, Stroitel'stvo no. 1, 1953.

MEDVEDEV. V. M., Eng.

Volga-Don Canal - Reinforced Concrete Construction

Production of panel forms at the construction project of the Volga-Don Navigation Canal.
Gidr. stroi 22 No. 1, 1953.

MEDVEDEV, V.M.

Pouring concrete in winter without heating. V. M. Medvedev
and G. A. Sannikov. *Gidrotekhnika Stradil.*, 23 [in] 1-6 (1961). The
use of aqueous solutions of CaCl_2 and NaCl in a large number of
experiments made it possible to pour concrete at temperatures
down to -20° without heating. Strength in winter reached 200
 kg/cm^2 . The concrete was dense and frost resistant. Further
investigation is required to determine the life of the concrete and
also the causes of corrosion of reinforcement in insufficiently dense
concrete.

R.Z.K.

MEDVEDEV, V. M.

AID P - 1797

Subject : USSR/Hydraulic Engineering Construction

Card 1/1 Pub. 35 - 9/17

Author : Medvedev, V. M. and Gordeyev, A. A.

Title : Effects of mineralogical content of cement and the sulfite-alcoholic admixture on frost-resistance of cement and concrete mix

Periodical : Gidr. stroi., v.24, no.1, 30-33, 1955

Abstract : A detailed description of aggregates used is given. The 28 and 90 day tests at -17 and -20°C are presented

MEDVEDEV, Vladimir Mikhaylovich, kandidat tekhnicheskikh nauk; IVANOV, F.M.,
redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor

[Organization of quality control of concrete work for large hydraulic
structures; based on the construction experience of the Volga-Don
waterway] Organizatsiya kontrolya kachestva betonnykh rabot na krup-
nykh gidrotekhnicheskikh stroikakh; po optyu stroitelei'stva Volga-
Donskogo vodnogo puti. Moskva, Gos. energ. izd-vo, 1956. 135 p.
(MLRA 10:3)

(Concrete construction--Quality control)
(Volga-Don Canal)

VIKTOROV, Alekandr Markovich; MEDVEDEV, V.M., redaktor; LARIONOV, G.Ye.,
tekhnicheskiy redaktor

[Mineral fillers for hydraulic concrete] Mineral'nye zapolniteli
dlia gidrotehnicheskogo betona. Pod red. V.M. Medvedeva. Moskva,
Gos. energ. izd-vo, 1956. 143 p.
(Concrete) (MLRA 9:?)

Nizhny Novgorod 1974.

AGAPOV, D.S.; ARTIBILOV, B.M.; VIKTOROV, A.M.; GINTS, A.N.; GOR'KOV, A.V.;
GUSYATINSKIY, M.A.; KARPOV, A.S.; KOLOT, I.I.; KOMAREVSKIY, V.T.;
KORYAGIN, A.I.; KRIVSKIY, M.H.; KRAYNOV, A.G.; NESTEROVA, I.N.;
OBES, I.S., kandidat tekhnicheskikh nauk; SOSHOVIKOV, K.S.; SUKHOF-
SKIY, S.F.; CHLEMOV, G.O.; YUSOV, S.K.; ZHUK, S.Ya., akademik, glavnyy
redaktor; KOSTROV, I.N., redaktor; BARONENKOV, A.V., professor,
doktor tekhnicheskikh nauk, redaktor; KIRZHNER, D.M., professor,
doktor tekhnicheskikh nauk, redaktor; SHESHKO, Ye.P., professor, doktor
tekhnicheskikh nauk, redaktor; AVERIN, N.D., inzhener, redaktor
[deceased]; GOR'KOV, A.V., inzhener, redaktor; KOMAREVSKIY, V.T.,
inzhener, redaktor; ROGOVSKIY, L.V., inzhener, redaktor; SHAPOVALOV,
T.I., inzhener, redaktor; RUSSO, G.A., kandidat tekhnicheskikh nauk,
redaktor; FILIMONOV, H.A., inzhener, redaktor; VOLKOV, L.N., inzhener,
redaktor; GRISHIN, M.M., professor, doktor tekhnicheskikh nauk, redak-
tor; ZHURIN, V.D., professor, doktor tekhnicheskikh nauk, redaktor;
LIKHACHEV, V.P., inzhener, redaktor; ~~MEDVEDEV, V.M.~~, kandidat tekhn-
icheskikh nauk, redaktor; MIKHAYLOV, A.V., kandidat tekhnicheskikh nauk,

AGAPOV, D.S. --- (continued) Card 2.
o stroitel'stve Volgo-Donskogo sudeokhodnogo kanala imeni V.I.Lenina.
TSimlianskogo gidrouzla i orositel'nykh sooruzhenii (1949-1952) v
piati tomakh. Glav.red. S.IA. Zhuk. Moskva, Gos.energ izd-vo.
Vol.5. [Quarry management] Kar'ernoe khoziaistvo. Red toma I.N.
Kostrov. 1956. 172 p. (MLRA 10:4)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro
tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Deystvitel'nyy
cheln Akademii stroitel'stva, i arkhitekturny SSR (for Razin)
(Quarries and quarrying)

MEDVEDEV, V. M.

USSR/Chemical Technology - Chemical Products and Their Application. Silicates.
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62383

Author: Medvedev, V. M., Gordeyev, A. A.

Institution: None

Title: Manufacture of Shell-Slabs Without Steaming

Original
Periodical: Gidrotekh. str-vo, 1956, No 2, 15-18

Abstract: Concrete of shell-slabs must meet exacting requirements as to
strength (at least 100% of the required strength after 2 hours).

Increasing the frost resistance of steamed concrete for face plates. V. M. MUNYAVIV, N. A. VOROV, AND T. G. KORDOVY. *Gidrokhimiya*, 25 (3) 16-19 (1960). Steamed concrete without the addition of sulfate esterlose wash water forms micro-cracks which have little effect on strength but which reduce frost resistance at an early age owing to the penetration and freezing of water. Addition of calcium chloride does not improve the quality of steamed concrete. Addition of sulfate alcohol wash water eliminates microcracks and raises frost resistance. Optimum steaming conditions are as follows: storage at 15 to 20°C. for 4 hr., uniform increase in temperature for 1 hr.

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H.K.

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APPROVED FOR RELEASE: 07/12/2001

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KURINNYY, T.G., laureat Stalinskoy premii, inzhener; MEDVEDEV, V.M., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk; SHISHO, G.A., laureat Stalinskoy premii, inzhener.

Investigation under natural conditions of "cold" concreting. Gidr.
(MIRA 9:9)
stroi.25 no.6:14-18 Jl '56.
(Volga-Don Canal) (Concrete construction--Cold weather conditions)

MEDVEDEV, V.M., kandidat tekhnicheskikh nauk; NIKANDROV, A.A., inzhener.

On the problem of joints between shell-slabs. Gidr. stroi. 25
no.7:16-18 Ag '56. (MLRA 9:10)

(Concrete slabs)

14(10)

SOV/112-59-4-6759

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 4, p 51 (USSR)

AUTHOR: Medvedev, V. M.

TITLE: Technology of Concrete Work and Winter-Time Concrete Placing in
Constructing Large Hydraulic Structures

PERIODICAL: V sb.: Kompleksn. mekhaniz. beton. rabot i organiz. zimn.
betonirovaniya. Nr 1, Kuybyshev, 1957, pp 85-113

ABSTRACT: A rather inadequate quality of concrete in many Soviet and foreign structures is noted, and the problem of bettering the concrete work, particularly in winter time, is considered. It is recommended that borrowing non-ore materials be radically changed, the crushing of them into a greater number of fractions be used, that large-size aggregates and sands be carefully

MEDVEDEV, V.M

AUTHOR: Médvedev, V.M. Candidate of Technical Sciences 98-7-15/20

TITLE: Methods for the Improvement of Concrete Constructions (Voprosy ratsionalizatsii betonnykh rabot)

PERIODICAL: Gidrotekhnicheskoye Stroitel'stvo, 1957, No 7, pp 45-51 (USSR)

ABSTRACT: A convention of specialists to study hydroelectric power plant construction costs was held in Geneva on 12-17 November 1956. The agenda dealt with: 1) the quality of materials, 2) the composition of concrete mixtures, 3) consumption of cement, 4) preparation, transportation and application of concrete mixtures, and 5) research and experimentation on the problem of concrete construction work during all seasons under severe climatic conditions.
There are 2 tables and 11 figures.

MEDVEDEV, V.M., kandidat tekhnicheskikh nauk; GOR'KOV, A.V., inzhener.

Conference of workers of the nonmineral materials enterprises.
Gidr.stroi. 26 no.6:61-62 Je '57. (MIRA 10:7)
(Building materials--Congresses)

30V-98-58-8-6 /22

AUTHORS: Medvedev, S.R., Professor, Medvedev, V.M., Candidate of Technical Sciences

TITLE: Remarks on the Book by TNISGEI on the Permeability of Concrete (Zamechaniya po rabote TNISGEI o vodopronitsayemosti betona)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 8, pp 29-33 (USSR)

ABSTRACT: The authors criticize a book published by the TNISGEI under the title "Water-Permeability of Hydrotechnical Concrete". The first author finds that the book is valuable because it substantiates the use of the filtration coefficient as a criterion of the water-permeability of concrete, but he also considers the method of defining this coefficient as too

SOV/98-53-12-6/21

AUTHORS: Medvedev, V.M., Candidate of Technical Sciences, and Vtorov,
N.A. and Konyayeva, S.A., Engineers

TITLE: The Utilization of Fine-Grained Sand for Hydrotechnical
Concrete With a Low Expenditure of Cement (Ispol'zovaniye
melkozernistykh peskov dlya gidrotekhnicheskogo betona s
ponizhennym raskhodom tsementa)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 12,
pp 27 - 29 (USSR)

ABSTRACT: This is a description of investigations carried out by re-
search section of the Nauchno-issledovatel'skiy sektor Gi-
droprojekta (Scientific-Research Section of Gidroproyekt)

SOV/98-58-12-6/21

The Utilization of Fine-Grained Sand for Hydrotechnical Concrete With a Low Expenditure of Cement

Tailed tests with various kinds of cement and fine-grained sand showed the practicability of using (under certain conditions) fine-grained sand for hydrotechnical concrete. There is 1 table.

Card 2/2

MOSKVIN, V.M., prof., doktor tekhn.nauk; PLUNGYANSKAYA, M.N., kand.tekhn.
nauk; BALALAYEV, G.A., inzh., red.; MEDVEDEV, V.M., kand.tekhn.
nauk, red.; KHAVIN, B.N., red.izd-va; EL'KINA, E.M., tekhn.red.

[Instructions for protecting reinforced concrete and masonry work
by using varnish, paint, and water-repellent coatings] Instruktsia
po zashchite zhelezobetona i kamennoi kladki lakokrasochnymi i gidro-
fobiziruiushchimi pokrytiiami. Moskva, Gos.izd-vo lit-ry po stroit.,
arkhit. i stroit.materialam, 1959. 58 p. (MIRA 13:3)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i
zhelezobetona, Perovo. 2. Chlen-korrespondent Akademii stroitel'stva
i arkhitektury SSSR (for Moskvin).
(Protective coatings)

MOSHCHANSKIY, N.A., doktor tekhn.nauk; MEDVDEV, V.M., kand.tekhn.nauk

Durability of plain and reinforced concrete. Izv.ASiA no.4:121-130
'59. (MIRA 13:6)
(Concrete--Corrosion)

MEDVEDEV, V.M., kand.tekhn.nauk; AFONINA, V.D., inzh.

Methods for carrying out freezing and thawing tests on concretes
to be used in building hydraulic river structures. Trudy NIIZHEB
no.12:77-87 '59. (MIRA 13:8)
(Frost resistant concrete--Testing)

MEDVEDEV, V.M.; KAPLAN, M.M.

Conference on problems in protecting construction elements
from corrosion. Prom. stroi. 38 no. 12:60 '60. (MIRA 13:12)
(Corrosion and anticorrosives)

MOSHCHANSKIY, N.A., doktor tekhn. nauk. Prinimali uchastiye: MOSKVIN, V.M., doktor tekhn. nauk, prof.; ALEKSEYEV, S.N., kand. tekhn. nauk; KAPKIN, M.M.; MEDVEDEV, V.M.; PODVAL'NYY, A.M., inzh.; STRASHNYKH, V.P., red.izd.-va; MOCHALINA, Z.S., tekhn. red.

[Regulations on the use and protection of reinforced concrete in shops with corrosive media] Instruktsiia po primeneniiu i zashchite zhelezobetona v tsekhakh s agressivnymi sredami. Moskva, Gosstroizdat, 1961. 29 p. (MIRA 15:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Moshchanskiy).

(Corrosion and anticorrosives)
(Reinforced concrete)

BOMBCHINSKIY, V.P.; VTOROV, N.A.; DUNDUKOV, M.D.; YEGOROV, S.A., doktor tekhn.nauk, prof.; YERMOLOV, A.I.; ZAVORUYEV, V.P.; KALININ, V.V.; KACHEROVSKIY, N.V.; KUZNETSOVA, A.K.; KUZ'MIN, I.A., kand.tekhn. nauk; MEDVEDEV, V.M., kand.tekhn.nauk; MIKULOVICH, B.F.; MIKHAYLOV, V.V., kand.tekhn.nauk; PETRASHEN', R.N.; REYZIN, Ye.S.; SINYAVSKAYA, V.M.; KHALTURIN, A.D.; SHCHERBINA, I.N., kand.tekhn.nauk; SEVAST'YANOV, V.I., red.; KARAULOV, B.F., retsenzent; LOVETSKIY, Ye.S., retsenzent; MIKHAYLOV, A.V., doktor tekhn.nauk, retsenzent; NATANSON, A.V., retsenzent; SOKOL'SKIY, M.M., retsenzent; STANKEVICH, V.I., retsenzent; FREYGOFER, Ye.F., retsenzent; GOTMAN, T.P., red.; VORONIN, K.P., tekhn.red.

[Work of the All-Union Scientific Research Institute for the Study and Design of Hydraulic Structures] Nauchno-issledovatel'skie raboty Gidroproekta. Pod obshchei red. V.I. Sevast'yanova. Moskva, Gos.energ.izd-vo, 1961. 214 p. (MIRA 15:2)

MEDVEDEV, V.M.; KAPKIN, M.M.

Exhibition on anticorrosion protection of metals and building
materials. Prom. stroi. 39 no. 1:62-63 '61. ('MIRA 14:1)
(Corrosion and anticorrosives)

MOSKVIN, V.M., doktor tekhn. nauk, prof.; MEDVEDEV, V.M., kand. tekhn. nauk; KAPKIN, M.M., kand. tekhn. nauk. Prinimali uchastiye: IVANOV, F.M., kand. tekhn. nauk; TSVETKOV, S.N., kand. tekhn. nauk; PAVLOV, V.N., inzh.; KLIMOVA, G.D., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Instructions for increasing the durability of concrete in elements of marine hydraulic structures] Instruktsiya po povysheniiu dolgo-vremenosti betona v konstruktsiakh morskikh gidrotekhnicheskikh sooruzhenii. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1962. 58 p. (MIRA 15:5)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Moskvin). 3. Tsentral'naya laboratoriya korrozii Nauchno-issledovatel'skogo instituta betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Medvedev).

IVANOV, F.M., kand.tekhn.nauk; MEDVEDEV, V.M., kand.tekhn.nauk

"Corrosion and protection of marine structures made of
concrete and reinforced concrete" by M.K. "Tikhonov.
Reviewed by F.M. Ivanov, V.M. Medvedev. Bet. i zhel.-bet.
8 no.11:527-528 N '62. (MIRA 15:11)
(Concrete--Corrosion) (Hydraulic structures)
(Tikhonov, M.K.)

MEDVEDEV, V.M., kand.tekhn.nauk; BATRAKOV, V.G., inzh.

Frost resistance of concrete for sectional reinforced concrete
shipbuilding. Sudostroenie 28 no.2:56-57 F '62. (MIRA 15:3)
(Concrete, Frost resistant) (Ships, Concrete)

MOSHCHANSKIY, N.A., doktor tekhn.nauk, prof.; MEDVEDEV, V.M., kand.tekhn.
nauk; KAPKIN, M.M., kand.tekhn.nauk; SUDAKOV, V.B., inzh.;
KOVONENKO, A.S., inzh.

Increasing the stability of reinforced concrete cooling towers.
Prom.stroi. 40 no.11:36-39 '62. (MIRA 15:12)
(Cooling towers) (Concrete--Corrosion)

KUPRYANOV, P. A., MEDVEDEV, V. N.

Suteyev, G. O.

"Actinomycosis." Prof. G. O. Suteyev. Reviewed by P. A. Kupryanov, V. N. Medvedev.
Vest. khir. 72 no. 4, 1952.

WITNESSED BY V. N.

Report presented at the Conference on Heat and
Mass, USSR, 5-12 June 61.

270. V. I. Baranov, I. K. Tsvet, Pulsion of Fluid Flow.
271. A. J. Ede, The Heat Transfer Coefficient.
272. S. I. Bril'kov, L. S. Guttmann, Experiments and Measurements of the Jump of Refracted AIR.
273. A. M. Dervish, On Some Results of the Investigation of Particles Gas at Natural Convection.
274. A. S. Gladkikh, O. I. Ralyukov, Heat Transfer in Convective Boiling by Infrared.
275. V. A. Dzum, Influence of the Heat Transfer Coefficient on the Distribution in the Axial Water-Cooled Reactor.
276. V. I. Gubarev, S. P. Kozhevnikov, V. I. S. But, Effect of Liquid Metal Heat Transfer on the Heat Exchanger.
277. I. M. Palantsev, Some Practical Problems of Heat Transfer Surface Investigation.
278. P. I. Savchenko, Application of the Theory for Heat Transfer Calculations.
279. V. M. Medvedev, Generalization of the Method of Solving Problems of Heat Transfer.
280. V. K. Shcherbakov, Peculiarities of Heat Transfer with Longitudinal Flat Surface Heat Sink.
281. A. V. Kudryavtsev, Investigation of Convective Heat Transfer with Fins.
282. C. J. Schmoller, Some Problems of Heat Transfer.
283. I. T. Elperin, Intensification of Heat Transfer by Means of Interdigitate Heat Sink.
284. M. V. Butkov, S. S. David, The Theory of Relaxation of an Isotropic Dielectric.
285. Z. M. Miroshnichenko, M. Z. Shtromman, Gravitational Effects in Boiling.
286. L. S. Moshinsky, Application of the Correlation Function Calculation at Boiling of a Heat Transfer Fluid.

MEDVEDEV, V.N.

Automatic line for infeed grinding of shock absorber shafts.
Avt.prom. 27 no.8:35-36 Ag '61. (MIRA 14:10)

1. Gor'kovskiy avtozavod.
(Grinding machinery)

L 9848-63
ACCESSION NR: AP3000584

BDS

S/0051/63/014/005/0664/0675

AUTHOR: Kaplyanskiy, A. A.; Medvedev, V. N.; Feofilov, P. P.

54

TITLE: Spectra of trivalent cerium ions in alkaline earth fluoride crystals

SOURCE: Optika i spektroskopiya, v 14, no. 5, 1963, 664-675

TOPIC TAGS: luminescence, absorption, crystal phosphors, Ce

ABSTRACT: The absorption and luminescence spectra of cerium in Ca, Sr and Ba fluoride single crystals were obtained at 300, 77 and 4.2°K in the region corresponding to 4f-5d transitions in the trivalent Ce ion. Ce³⁺ is of particular interest because its 4f shell contains only one electron so that the level diagram is very simple; for the free Ce³⁺ it has only two levels,

L 984d-61
ACCESSION NR: AP3000584

O

consist of two wide bands, the separation between which decrease in going from Ca to Ba fluoride as the host. At low temperature fine structure appears. The luminescence spectrum at room temperature also consists of two wide bands, one of which overlaps with one of the absorption bands; at low temperatures structure develops in both bands and the background fades. The principal lines in the single crystal absorption and luminescence spectra at 4.2°K are tabulated. There were identified in the low temperature spectra vibrational sequences of narrow bands and lines; there is evinced mirror symmetry between the structure of the long wavelength absorption band and the two luminescence bands, which are associated with transitions from the lowest d-state to the 4f levels: sup 2F sub 5/2 (ground state) and sup 2F sub 7/2. Forbidden transitions between these levels were detected in the infrared absorption spectra. Orig. art. has: 5 figures and 4 tables.

L 9224-66 EWT(1)/EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JW
ACC NR: AP5026095 SOURCE CODE: UR/0386/65/002/005/0209/0212
44, 55

AUTHOR: Kaplyanskiy, A. A.; Medvedev, V. N. *44, 55*

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-tehnicheskiy institut AN SSSR) *44, 55*

TITLE: Pseudo-Stark splitting of the $4f \rightarrow 5d$ lines of Ce^{3+} ions in CaF_2 crystals *56*

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. (Prilozheniya), v. 2, no. 5, 1965, 209-212, and insert, side B, between p. 238 and 239 *53*

TOPIC TAGS: calcium fluoride, Stark effect, line splitting, UV spectrum, electron transition *B*

ABSTRACT: This is a continuation of earlier work (Optika i spektroskopiya v. 14, 664, 1963 and v. 18, 803, 1965), and is devoted to observation of linear pseudo-Stark splitting of the $4f \rightarrow 5d$ bands in the ultraviolet absorption spectra of the cubic crystals of CaF_2 with Ce^{3+} . The authors investigated primarily CaF_2-Ce^{3+} crystals, with trivalent symmetry, and studied the influence of the concentration of the ions on the absorption.

L 9224-66

ACC NR: AP5026095

3

and 3383.0 Å lines experience reversible splitting in symmetrically-arranged quartets. In the direction perpendicular to the field the two external components of the quartets are completely polarized with the electric vector perpendicular to the field for the 3383.6 Å line and parallel for the 3383.0 Å line. The splitting is proportional to the voltage applied to the electrodes. The linear character of the splitting shows directly that there is no inversion center in the trigonal field in which the Ce³⁺ ions are situated in the CaF₂ crystals. This confirms convincingly the model proposed by P. P. Feofilov (with I. V. Stepanov, Dokl. AN SSSR v. 108, 615, 1956) for triply charged rare-earth centers in CaF₂-Tr³⁺ crystals of the first type. It is also concluded that the complicated character of the pseudo-Stark splitting of the CaF₂-Ce³⁺ lines, compared with the 3d³ ions in Al₂O₃, is connected with the fact that the anisotropic rare-earth centers have many orientations in the cubic lattice of CaF₂, and that the dipole moments of the 4f → 5d transitions in Ce³⁺ correspond to circular and linear electric oscillators oriented perpendicular and parallel to the trigonal axis of the center. The authors also observed a doublet splitting of the

L 61508-65 EPP(c)/EWA(c)/EWT(m)/EWP(b)/T/EWP(t) IJP(a) JW/JD/JC

ACCESSION NR: AP5012605

UR/0051/65/018/005/0803/0812

537.228.1

25
23

AUTHORS: Kaplyanskiy, A. A.; Medvedev, V. N.

B

TITLE: Piezospectroscopic determination of the symmetry of the crystalline field acting on triply charged rare earth ions in the lattice of calcium fluoride

17

SOURCE: Optika i Spektroskopiya, v. 18, no. 5, 1965, 803-812

TOPIC TAGS: calcium fluoride, pressure effect, impurity center, crystal symmetry, line splitting

ABSTRACT: The authors investigated experimentally the influence of the

L 64508-65

ACCESSION NR: AP5012606

in CaF_2 and to determine their symmetry. The investigation was concentrated on crystals grown under reducing conditions, for which the symmetry of the TR^{3+} ions was not determined optically heretofore. The piezospectroscopic method used for the investigation of the frequently-encountered noncubic local centers in the cubic crystals, used in the present work, was developed and described by one of the authors earlier (Kaplyanskiy, Opt. i spektr. v. 7, 677, 1959; v. 10, 165, 1961; v. 16, 602, 1964). The deformation splitting of the absorption lines of the two substances is found and the multipolarities of the resultant lines are determined. The main results of the work is the observation by optical means of the existence of three microstructures of rare-earth triply charged ions in the CaF_2 lattice.

E 61508-65

ACCESSION NR: AP5012506

authors thank Ye. P. Gross for interest in the work and P. P. Feofilov for a useful discussion.' Orig. art. has: 5 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 07Mar64

ENCL: 100

SUB CODE: OP, SS

NR REF Sov: 012

OTHER: C14

MEDVEDEV, V.P.

Courses are needed for qualification improvement of specialists
in electric driving. Bum.prom. 38 no.4:25 Ap '63. (MIRA 16:5)

1. Vedushchiy konstruktor TSentral'nogo nauchno-issledovatel'skogo
i proyektno-konstruktorskogo instituta bumagodelatel'nogo
mashinostroyeniya.

(Electricians--Education and training)
(Papermaking machinery--Electric driving)

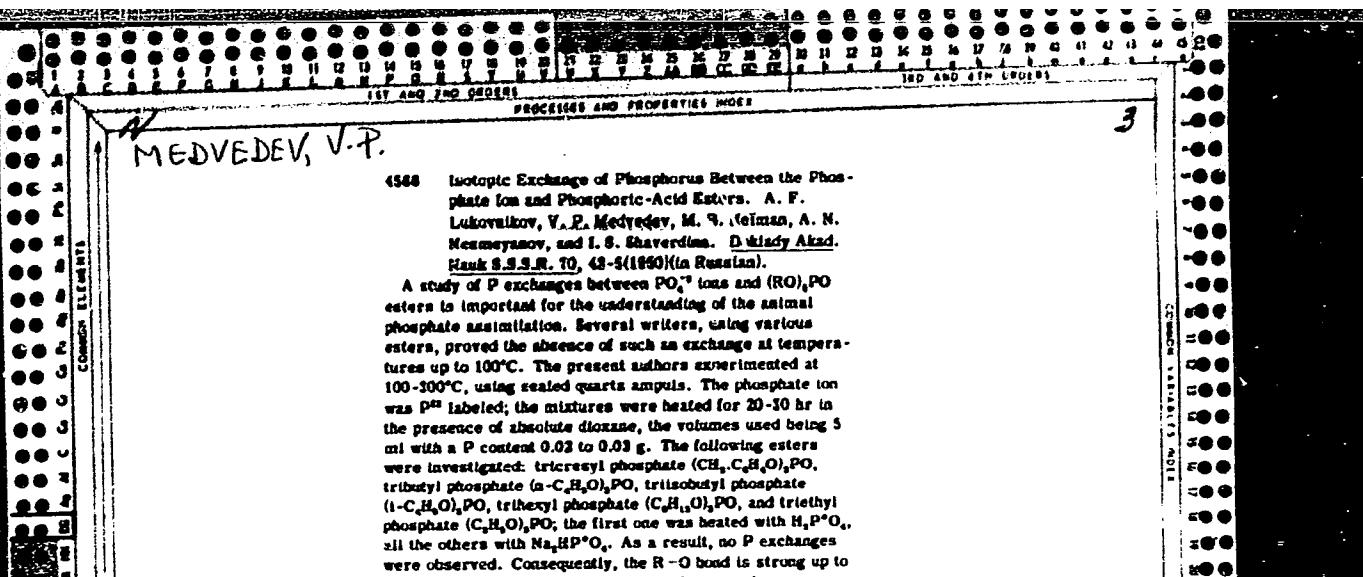
MEDVEDEV, V.P.; KHARZIN, K.A.

Electric driving and automation of the enclosed type U-02
knotters. Bumagodel. mash. no.11:86-90 '63. (MIRA 17:6)

G. A. MEDVEDEV V. P.
1951

General and Physical Chemistry
2.

Isotopic exchange of phosphorus between the phosphate
ion and esters of phosphoric acid. A. P. Lukovnikov, V. P.
Medvedev, M. H. Neiman, A. N. Nesmeyanov, and I. S.
Stravinskii. *Guide to Russ. Sci. Periodical Lit.* 3, 187-9
(1950) (English translation). See C.A. 44, 431M
R. J. C.



MEDVEDEV, V. P.

8.1-305

551.57C5.631.67

✓ Medvedev, V. P. Svermirel'noe izuchenie rezhimov orossial'skikh chernozemov
zavodish'sia. [Comparative study of the irrigation regime of southern chernozem in the
Trans-Volga region.] *Pochvovedeniye*, Moscow, No. 11-18-34, Nov. 1935. 1 tables. 8 refs.
DLC: The author presents the results of an experimental study made in the Bol'shoi Irgiz
valley on the left bank of the Volga to determine the soil moisture regime of summer wheat
when either water charging or vegetational irrigation is employed and to investigate such
physical characteristics of soil as volume weight, porosity, aeration, etc. with reference to the

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310006-4

Soil moisture changes in subsequent irrigation is employed and to investigate such physical characteristics of soil as volume weight, porosity, aeration, etc. with reference to the effect of sprinkling upon the physical properties of soil and the determination of sprinkling norms. Data on the moisture properties of the experimental chernozem plots, the water requirement of summer wheat and the speed of water penetration into soil are presented.

Scanned by I.L.D.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310006-4"

MEDVEDEV, V.P., inzh.

Studying the problem of combined freezing and water drainage by
the method of electrohydrodynamic analogies. Shakht. stroi. 5
no. 2:11-14 F '61. (MIRA 14:2)

1. Moskovskiy gornyy institut.
(Mine drainage)

MEDVEDEV, V.P., inzh.

Using electrohydrodynamic analogies in investigating combined
freezing and drainage. Shakht. stroi. 5 no. 3:14-16 Mr '61.
(MIRA 14:2)

1. Moskovskiy gornyy institut.
(Mine drainage)

BURCHAKOV, A.S., kand. tekhn. nauk; PANOV, G.Ye., inzh.; SAMOKHVALOV, G.K., inzh.; MEDVEDEV, V.P., inzh.

Use of the method of electric hydrodynamic analogies for analyzing the flow of water in wetting of a coal bed. Izv. vys. ucheb. zav.; gor. zhur. no.5:67-72 '61. (MIRA 16:7)

1. Moskovskiy gornyy institut imeni Stalina. Rekomendovana kafedroy ventilyatsii i tekhniki bezopasnosti.
(Coal mines and mining)
(Electromechanical analogies)

MEDVEDEV, V.P.

Significance of Kunkel's phenol test for the diagnosis of
atherosclerosis. Terap. arkh. 35 no.2:60-66'63. (MIRA 16:10)

1. Iz 3-y kafedry vnutrennikh bolezney (zav. - prof. B.V.
Il'inskiy) Leningradskogo ordena Lenina instituta usover-
shenstvovaniya vrachey imeni S.M.Kirova.
(ARTERIOSCLEROSIS) (CHOLESTEROL-METABOLISM)
(MEDICAL TESTS)

MEDVEDEV, V.P.

Concerning the value of determining the strength of the cholesterol and protein bond in atherosclerosis. Terap. arkh. 35 no.9
14-19 S'63 (MIRA 14-19)

1. Iz tret'yey kafedry vnutrennikh bolezney (zav. - prof. B.V. Il'inskiy) Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey imeni Kirova.

MEDVEDEV, V.P.

Methodology for determining the rate of the spread of
pulse waves. Kardiologiya no.1;79-82 '64. (MIRA 17 1C,

1. 3-ya kafedra vnutrennikh bolezney (zav.- prof. B.V. Il'inskiy)
Leningradskogo ordena Lenina instituta usovershenstvovaniya
vrachey imeni Kirova.

DOVNAR, S.A.; MEDVEDEV, V.S.; CHEPA, P.A.

Intensifying the jet machining of metals in the medium of the cutting suspension. Dokl.AN BSSR 6 no.2:100-102 F '62. (MIRA 15:2)

1. Institut mashinovedeniya i avtomatizatsii AN BSSR.
Predstavлено академиком AN BSSR V.P.Severdenko.
(Metal cutting)

MEDVDEEV, V.S.; AYBULATOV, N.A.

Using "marked" sands for studying bottom drifting. Izv. AN SSSR.
Ser. geog. no. 4:99-102 Jl-Ag '56. (MLRA 9:10)

1. Institut okeanologii Akademii nauk SSSR.
(Seashore)

MEDVEDEV, V. S., BUDANOV, V. I., VLADIMIROV, A. T., IONIN, A. S., KAPLIN, P. A.

"Present Day Vertical Movement of Far Eastern Seacoasts of the USSR,"

paper presented at the 9th Pacific Science Congress, Bangkok, Thailand
18-29 Nov 1957.

Trans. in Mining Gazette, vol. 2, no. 11, 57 (Bangkok)

MEDVEDEV, V.S.

Dynamics and morphology of the western shore of the White Sea.
Trudy Okean. kom. 2:69-85 '57. (MIRA 10:9)

1. Institut okeanologii Akademii nauk SSSR.
(White Sea region--Physical geography)

Medvedev, V. S.

20-6-31/42

AUTHORS:

Budanov, V. I., Vladimirov, A. T.,
Ionin, A. S., Kaplin, P. A., Medvedev, V. S.

TITLE:

Recent Vertical Motion of the Shores of the Far East Seas
(Sovremennyye vertikal'nyye dvizheniya beregov dal'nevostochnykh
morey).

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 116, Nr 6, pp. 1005-1008 (USSR).

ABSTRACT:

In literature there often appear data about the kind of the recent and not long ago motions of the shores in the Far East and Northeast of the USSR. Frequently, the data about the velocity and direction of these shiftings contradict each other, coarsely. Such an estimation apparently has its cause in a) different conceptions of the mechanism of formation of the shore-relief-forms; b) imperfection of the method of investigation and c) characteristics of not long ago

Recent Vertical Motion of the Shores of the Far East Seas. 20-6-31/42

vertical motions into a number of sections; some are sinking, other are rising; finally there are relative steady sections. The clearest symptoms of the sinking were stated: in the Eastern and Northern part of the Chukot Peninsula ("Chukotskiy poluostrov"), on the Northeastern shore of the Korayken Highland ("Koraykskoye nador'ye") in some sections of the Eastern- and Western shore of Kamchatka, in the surroundings of the town Okhotsk, and at the Northeastern shore of Sakhalin. The raising-zones are: Western shore of the Anadyr Bay, individual sections of the Northeastern- and Eastern Kamchatka, farther the shore of Southern Sakhalin and the Sea Province. The characteristics for the above-mentioned classification are given. In connection with post-glacial transgression all shores of the Far East Seas have an ingressio appearance. But that does not mean a recent shore-sinking because of the

20-6-31/42

Recent Vertical Motion of the Shores of the Far East Seas.

of motion have been observed. By the differences of the height of the old shore quays the authors conclude that the velocity of the relative sinking of the Western-Kamchatka shore exceed that one of the Eastern part of the Chukot-Peninsula by the 3 - to 4 -fold. The definition of absolute velocities just is impossible because of the deficiency of proofs.
There are 3 figures, and 12 Slavic references.

ASSOCIATION: Institute for Oceanology AN USSR (Institut okeanologii Akademii nauk SSSR).

PRESENTED: June 12, 1957, by A. A. Grigor'yev, Academician.

MEDVEDEV, V.S.; AYBULATOV, N.A.

Using luminescent substances and a ropeway for the study of sand-shore dynamics. Trudy Inst. okean. 28:37-55 '58. (MIRA 11:5)
(Coast changes)

3(9)

SOV/10-59-3-14/32

AUTHOR: Medvedev, V.S.

TITLE: On the Residual Forms of Washout of Loose Deposits on the Shores of the White Sea

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 3, pp 96-98 (USSR)

ABSTRACT: The author studied sand bars and tombolos between the islands and the continent in the Southern section of the Onega Bay in the White Sea. After having studied the geomorphological structure of the islands and the adjoining continent, and having taken into account local tide and wave dynamics,

MEDVEDEV, V.S.

Some problems in analyzing the dynamics and morphology of the western shore of Sakhalin with reference to the construction of small fishing harbors. Trudy Okean.kom. 4:3-12 '59. (MIRA 13:4)

1. Institut okeanologii AN SSSR.
(Sakhalin--Coasts)

VLADIMIROV, A.T.; MEDVEDEV, V.S.

Study of shore dynamics and morphology in the Sea of Okhotsk and the
Sea of Japan. Trudy Okean.kom. 4:215-221 '59. (MIRA 13:4)

1. Institut okeanologii AN SSSR.
(Okhotsk, Sea of--Coast changes)
(Japan, Sea of--Coast changes)

S/519/60/000/008/001/031
D051/D113

AUTHOR: Medvedev, S.V.

TITLE: Problems of seismic zoning

SOURCE: Akademiya nauk SSSR. Sovet po seismologii. Byulleten', no. 8,
Moscow, 1960. Voprosy seismicheskogo rayonirovaniya, 5-27

TEXT: The article was written in view of the growing importance of seismic
zoning for earthquake proof building structures. The author discusses the
national and economic importance of seismic zoning in the USSR, a map of
seismic zoning abroad (U.S.A., Japan, Ger-

3/519/60/000/008/001/C31
D051/D113

Problems of seismic zoning

quake engineering. It shows zones of seismicity defined by the points 6, 7, 8, and 9 of the seismic intensity scale M. This means that, if the focus of an earthquake is known, its surface intensity can be established depending on M. In most cases the seismic zones represent areas possibly prone to earthquakes. In some cases, e.g. in the Carpathian Mountains, these zones are areas of earthquakes propagating from centrum possibly located in adjacent zones of higher seismicity. For construction work in seismic areas, the map serves as a basis for the production of standardized regional maps. When the seismic intensity changes due to special ground conditions, designs of seismic microzoning on a 1:20,000 scale or so are developed. The author

S/519/60/000/008/001/031

D051/D113

Problems of seismic zoning

cient accuracy. To cope with these shortcomings, the author proposes a two-stage principle of seismic zoning. The first stage consists in compiling a map of "seismicity forecast", which outlines the zones of origin of an earthquake of given intensity in the centrum and indicates the dimensions of these zones, the focus depth and the earthquake probability. The second stage consists in compiling a map of seismic zoning, based on the first map with the special features of the centrum, the hypocentral distances, the conducting medium, and the earthquake probability taken into consideration. This map shows the intensity, spectral composition, ground vibrations on the Earth's surface and the earthquake probability. In connection with at-
the Earth's surface and the earthquake probability. In connection with at-

Problems of seismic zoning

S/519/60/000/008/001/031
DO51/D113

ferences to English-language publications read as follows: E.E. Erickson, The Forces of Nature versus the Tactics of Man. Proceedings of the World Conference on Earthquake Engineering, 1956; P. Byerly, Seismicity of the Western United States. Proc. World Conf. Earthq. Eng., 1956; A. Hirai, Earthquake Resistant Design of Bridge Substructures, Proc. World Conf. Earthq. Eng., 1956; Design of Earthquake-Resistant Buildings. Indian Concrete Journ., 15.X.1956; S.P. Lee. The map of seismicity of China. Acta Geophysica Sinica. VI, no. 2, 1957.

ASSOCIATION: Institut fiziki Zemli AN SSSR (Institute of Physics of the

MEDVEDEV, V.S.

807/5331

PHASE I BOOK EXPLOITATION

ological Congress. 21st, Copenhagen, 1960.
 ya (Marine Geology) Moscow, Izd-vo AN SSSR, 1960.
 copies Printed. (Series: Doklady sovetskikh
 bilens 10)

P. L. Bozrukov, Resp. Ed.; A. V. Zhivago, V. P.

Q. B. Udintsov; Ed. of Publishing House: U. S.
 h. Ed.; V. Karlov.

Book is intended for geologists and oceanographers.

Book contains 18 articles representing the reports of geologists at the 21st International Geological Congress. Individual articles deal with the bottom topography, and bottom of oceans (Western Pacific and East), as well as the geomorphology and tectonics of Canadian Seas and Soviet sectors of the Baltic, and sea accompaniment each article. No personalities

L. Ya. Mikhaltsev, Q. B. Udintsov, I. B. Lisitsyn, and Yu. I. Nepruchayev. Results of Investigations of the Earth's Crust Under

35

Stratigraphy of sediments and the Paleogeography of the Pacific and the Eastern Seas of the Sea-bottom Formations

59

Formation of Sediments in the Southern Ian Oceans

69

and N. A. Belov. Bottom Sedimentation Con-Arctic Ocean

88

and Yu. P. Nepruchayev. Bottom Morphology of the Black Sea

94

I. S. Kulakov, and O. V. Afipova. Relief and Structure of the Southern Caspian Sea

105

Yu. G. Recent Shelf Deposits in the Marginal of Asia

116

The Geology of the Barents Sea

123

Sediments in the Norwegian Sea

132

Study of the Diagenesis of Some Marine

140

O. K. Leon'yev, and Ye. N. Reveskii. The Endogenic Tectonic Transgression on the Coastal Zone of Soviet Seas

154

V. L. Boldirev, and V. P. Zenkovich. Some

164

M. S. Ionin, P. A. Kaplin, and A. N. Kudryavtsev. Movements of Seashores in the Soviet Union

175

Types and Formation of Lagoons on Recent

188

(22)

MAKKAVEYEV, N.I., prof.; KHMELEVA, N.V.; ZAITOV, I.R.; LEBEDEVA, N.V.;
MEDVEDEV, V.S.; LAZAREVA, L.V., tekhn. red.

[Experimental geomorphology] Eksperimental'naia geomorfologija.
By N.I.Makkaveev i dr. Moskva, Izd-vo Mosk. univ., 1961. 193 p.
(MIRA 15:1)

(Geological research)

10th Pacific Science Congress, Honolulu, Hawaii 21 Aug-

PIVOROV, A. A., and IVANOV, Z. S., Moscow State
University, Chair of Marine Physics and Terrestrial
calculations of rate of radioactivity spreading in
Section VII.B.6) Institute of Oceanology - "The method of spicule analysis
of its use in paleogeographical studies of the
Section VII.C) Institute of Geology - "Distribution of species and
fauna in bottom sediments of the Pacific"
or, Institute of Oceanology - "The heat exchange
between waters and the adjacent oceanic waters"

Institute of Oceanology - "An example of the
a deep currents in the northeastern Pacific" (Section
and KOMAROVSKY, G. I., Institute of Oceanology
between turbidity, phytoplankton and primary pro-
n VII.C.1) Institute of Oceanology - "On the relation between
7 and the character of currents in some areas of the
Section VII.1) P. V. RUMYANTSEV, P. S., STEGCH, J. M.
F., RUMYANTSEV, A. M., VENKOV, P. S., Institute of Earth Physics
and Geography, Leningrad - "Tectonic map of the transition
belt - Structure of the eastern coast in the transition
the eastern part of the Pacific to the Atlantic continent"

P. V. RUMYANTSEV, N. M., and STEPANOV, S. M., Institute of
Oil, N. M. Schmidt - "Specific features of the sedimentary
rock facies and in the adjacent parts of the Pacific"
See also in the adjacent parts of the Pacific"

PEY, S. M., UPTON, D. B., KERBER, G. H., P.
and LEMLY, G. J., Institute of Oceanology - "On the
reclamation and bottom topography in the northwestern
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and SAVASTANOVA, Yu. F., The Siberian Department of
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terials in the Pacific in connection with the problems of soil-
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" in the northern part of the Pacific Ocean"

All-Union Scientific Research Institute of Marine
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lakes" (Section VII.C) Moscow State University, Physical Faculty, Chair of
geophysical data and the problem of the origin of the
(Section VII.C.2) Institute of Oceanology - "The specific features of
Institute of Oceanology - "Qualitative-quantitative
the littoral area and fauna in the northern part
Institute of Oceanology - "The process of "volcanic
the area of the Kuril Islands" (Section VII.C.4)

S/619/61/000/017/001/002
D239/D302

AUTHORS: Medvedev, S.V., Bune, V.I., Vvedenskaya, N.A., Gayskiy,
V.N. Kirillova, I.V., Nersesov, I.L., Riznichenko,
Yu.V., Savarenkiy, E.P. and Sorskiy, A.A.

TITLE: Instructions for regional seismological summaries

SOURCE: Akademiya nauk SSSR. Institut fiziki Zemli. Trudy no.
17 (184) Moscow 1961. Voprosy inzhenernoy seismologii
no. 5, 128-145

..... by the Director of the

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Section. This defines the purpose and scope of the work. The seismological map of the USSR established in 1957 is being kept up to date by continuing observations. Its scale is 1 : 5,000,000. The map is to be used to make seismological forecasts both for the epicentral zone and for the whole earth's surface. 2) Instrumental data on earthquakes. This is defined as data obtained now from both fixed and expeditionary stations as opposed to the study of past earthquakes. Methods of classification by magnitude, precision of epicentral location and frequency of recurrence are defined. 3) Engineering seismology. Under this heading is

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sparse. Gravitational data could also be useful here. 5) Procedures for making seismological summary maps and their documentation. These are to be of two types, corresponding to 1 and 3, above, i.e. seismological maps and maps of isoseismals showing energy and attenuation characteristics of the region. The way in which these should be prepared is described in considerable detail, together with some guidance about what is envisaged for the seismotektonic maps. 6) Arrangement, duration of and participants in the fulfilment of the project. The names and addresses of the participating institutions for each region are



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Some structural and dynamic features of the western shore area of
Sakhalin. Trudy Okean.kom. 8:65-84 '61. (MIRA 14:5)

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(Sakhalin--Coasts)

MEDVEDEV, V.S.

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Pq-4/Pae-2/Peb/Pi-4 GW/WS

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S/0293/65/003/001/0082/0088

AUTHOR: Antonova, L. A.; Ivancov-Kholodnyy, G. S.; Masanova, N. D.; Medvedev, V. S.TITLE: Measurement of soft-electron fluxes in the upper atmosphere by means of a
secondary-electron multiplier

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 1, 1965, 82-88

TOPIC TAGS: cosmic radiation, upper atmosphere electron flux, ionosphere, iono-
spheric electron flux, ionospheric soft electron flux, secondary electron multiplierABSTRACT: The article describes a rocket experiment for recording soft (100 to
10,000 ev) electrons at altitudes from 180 to 500 km outside the region of polar
lights. The experiment, carried out on 18 October 1962 in the middle latitudes of65
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